From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)
(PCT Rules 44bis.3(c) and 72.2)

To:

TAKAISHI, Kitsuma Kagurazaka FN Bldg. 5F, 67, Kagurazaka 6-chome, Shinjuku-ku Tokyo 1620825 JAPON

Date of mailing (day/month/year) 26 October 2006 (26.10.2006)	
Applicant's or agent's file reference HM-F391PCT	IMPORTANT NOTIFICATION
International application No. PCT/JP2005/005781	International filing date (day/month/year) 28 March 2005 (28.03.2005)
Applicant HITACHI MET	ALS, LTD. et al
1. Transmittal of the translation to the applicant.	
The International Bureau transmits herewith a copy of the patentability (Chapter I).	English translation of the international preliminary report on
The International Bureau transmits herewith a copy of the patentability (Chapter II).	English translation of the international preliminary report on
2. Transmittal of the copy of the translation to the designated or el	ected Offices.
The International Bureau notifies the applicant that copies of that t Offices requiring such translation:	ranslation have been transmitted to the following designated or elected
None	
The following designated or elected Offices, having waived the rectranslation from the International Bureau only upon their request:	quirement for such a transmittal at this time, will receive copies of that
EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU,	BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, A, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, 'U, ZA, ZM, ZW
3. Reminder regarding translation into (one of) the official language	ge(s) of the elected Office(s).
The applicant is reminded that, where a translation of the internation must contain a translation of any annexes to the international prelimination.	onal application must be furnished to an elected Office, that translation in in any report on patentability (Chapter II).
It is the applicant's responsibility to prepare and furnish suclapplicable time limit (Rule 74.1). See Volume II of the PCT Appl	n translation directly to each elected Office concerned within the licant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

Facsimile No. +41 22 338 82 70

Facsimile No. +41 22 338 82 70

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference HM-F391PCT	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/JP2005/005781	International filing date (day/month/year) 28 March 2005 (28.03.2005)	Priority date (day/month/year) 26 March 2004 (26.03.2004)	
International Patent Classification (8th See relevant information in Form F	h edition unless older edition indicated) PCT/ISA/237		
Applicant HITACHI METALS, LTD.			

1.	This international preliminary re International Searching Authorit	eport on patentability (Chapte ty under Rule 44 bis.1(a).	er I) is issued by the International Bureau on behalf of the					
2.	 This REPORT consists of a total of 4 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead. 							
3.	This report contains indications	relating to the following item	s:					
	Box No. I	Basis of the report						
	Box No. II	Priority						
	Box No. III	Non-establishment of opin applicability	nion with regard to novelty, inventive step and industrial					
	Box No. IV	Lack of unity of invention						
	Box No. V	Reasoned statement under applicability; citations and	Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement					
	Box No. VI	Certain documents cited						
	Box No. VII	Certain defects in the inter	national application					
	Box No. VIII	Certain observations on the	e international application					
4.	The International Bureau will connot, except where the applicant mate (Rule 44bis .2).	mmunicate this report to designakes an express request unde	gnated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but or Article 23(2), before the expiration of 30 months from the priority					
			Date of issuance of this report 19 October 2006 (19.10.2006)					
	The International Burea		Authorized officer					
	34, chemin des Colo 1211 Geneva 20, Swi		Masashi Honda					

e-mail: pt08@wipo.int

Facsimile No. +41 22 338 82 70 Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION HM-F391PCT See paragraph 2 below International application No. International filing date (day/month/year) Priority date (day/month/year) PCT/JP2005/005781 28.03.2005 26.03.2004 International Patent Classification (IPC) or both national classification and IPC Applicant HITACHI METALS, LTD. This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/JP Authorized officer Facsimile No. Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/005781

Γ^-				101/01/2005/005/81
Во	x No.	I	Basis of this opinion	
1.	Wi	ith regard ed, unless	I to the language, this opinion has been established on the basis of the internation otherwise indicated under this item.	nal application in the language in which it was
	L	Thiso	pinion has been established on the basis of a translation from the original languag	e into the following language
			. which is the language of a translation furnished for	or the purposes of international search (under
		Rule 1	(2.3 and 23.1(b)).	Control (dilite)
2.	Wit	th regard ention, th	to any nucleotide and/or amino acid sequence disclosed in the internation has been established on the basis of:	al application and necessary to the claimed
	a.	type of	f material	
		a	a sequence listing	
		to	able(s) related to the sequence listing	
	b.	format	of material	
		i	n written format	
		i i	n computer readable form	
	c.		filing/furnishing	
			ontained in the international application as filed.	
			iled together with the international application in computer readable form.	
			urnished subsequently to this Authority for the purposes of search.	
		LJ "	armated adosequently to this Admortly for the purposes of search.	
3.		Turmone	tion, in the case that more than one version or copy of a sequence listing and/ced, the required statements that the information in the subsequent or additional codoes not go beyond the application as filed, as appropriate, were furnished.	or table(s) relating thereto has been filed or opies is identical to that in the application as
4.	Addi	itional co	omments:	
]

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/005781

Box N		tement under Ru explanations sup	ale 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;	
1. 5	Statement			
	Novelty (N)	Claims Claims	10-13 1-9	YES NO
	Inventive step (IS)	Claims .	1-13	YES NO
	Industrial applicability (l	(A) Claims Claims		YES NO

2. Citations and explanations:

Document 1: JP 2002-174374 A (Tokyo Gas Co., Ltd.), 21 June 2002, paragraphs 0015, 0016, 0025, 0026

Document 2: JP 2003-083482 A (Tokyo Gas Co., Ltd.), 19 March 2003, paragraphs 0020-0032

The inventions of claims 1-3 and 5 do not appear to be novel. The second working example of document 1 cited in the ISR is same as a flexible pipe of the inventions of claims 1-3 and 5.

The inventions of claims 1-9 do not appear to be novel. The working example of paragraph 0030 of document 2 cited in the ISR is same as a flexible pipe of the inventions of claims 1-9.

The inventions of claims 10-13 do not appear to involve an inventive step based on document 2 cited in the ISR. Although an electronically conductive paint and a peeling layer are not described in document 2, it is easy for a person skilled in the art to conceive of using this constitution.

State Intellectual Property Office of People's Republic of China

Add: 25/F., Bldg.B, Tsinghua Tongfang Hi-Tech Plaza, No.1, Wangzhuang Rd., Haidian District, Beijing, P. R. China, Postal Code:100083

Applicant	Hitachi Metals,Ltd.	Issuing Date:
Patent Agent	Dan ZHU	October 26, 2007
Application No.	200580001765.6	
Title of Invention	フレキシブル管	

FIRST OFFICE ACTION

(For PCT Application Entering the National Phase)

1.	The applicant has filed a request for substantive examination on(day/month/year). The examiner has carried out substantive examination on the above mentioned patent application for invention in accordance with the provisions of Article 35(1) of the Chinese Patent Law. The Patent Office has decided to carry out a substantive examination on the above mentioned patent application for invention in accordance with the provisions of Article 35(2) of the Chinese Patent Law.
2. 🖂	The applicant claimed:
	The filing date 2004.3.26 in the Japan Patent Office as the priority date,
	The filing date 2005.3.10 in the Japan Patent Office as the priority date, and
	The filing date in the Patent Office as the priority date.
	I atent Office as the priority date.
3	The following amended document(s) submitted by the applicant is (are) unacceptable, as the document(s) is(are) not in conformity with the provisions of Article 33 of the Chinese Patent Law: The Chinese translation of the annexes of the International Preliminary Examination Report, The Chinese translation of the amendment submitted under Article 19 of the Patent Cooperation Treaty, The Chinese translation of the amendment submitted under Article 28 or 41 of the Patent Cooperation Treaty, The amendment submitted in accordance with Rule 51 of the Implementing Regulations of the Chinese Patent Law.
	The detailed reasons for the amendments being unacceptable is described in the text of this office action.
4.∐T	he examination was carried out based on the Chinese translation of the international application as originally filed.
\boxtimes	The examination was carried out on the basis of the following application documents: The description
	Pages, the Chinese translation of the international application as originally filed; Pages, the Chinese translation of the annexes of the International Preliminary Examination
	Report; Pages, the Chinese translation of the amendment submitted under Article 28 or 41 of the Patent Cooperation Treaty;

	Page	es			lment			rding	to	Rule	51(1)	of 1	the	Imple	menting
ΙΣ	The c	laima	Regul	lations of	f the Chi	nese Pate	ent Law.								•
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	Nos		the cir	Chinese	translati	or the int	ernation	ıl appli	ication	as or	iginally fil	ed;			
			Coope	eration T	reaty.	on or	tne ame	ndmen	it sub	mitted	under A	rticle	19	of the	Patent
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1 27			Patent	Law.											
×		rawings	4 01.												
	Pages	1-4,	the Chi	nese tran	islation o	of the int		l appli	cation	as en	tering the	Chine	se Na	tional	Phase;
	rages	·		Chinese nation Re		ation	of the	anne	exes	of	the Inte	rnatio	onal	Preli	minary
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			Cooper	ration Tr	eaty;					a unu		20 0	1 41	or the	Patent
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5. The	follov	wing re	eferenc	e docur	nente h	aria 1.a.		in thi	s offi	ice ac	tion(their	· seri	ial m	ımhar	c will
<u></u>	····	d to in	the en	suing e	xaminat	ion pro	cedure)	in this	3 0111					1111001	5 WIII
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ratent Law.	
Claimis not in conformity with the pr	rovisions of Article 26(4) of the Chinese Patent Law.
Claim 11 is not in conformity with the pro-	visions of Article 33 of the Chinese Patent Law
\boxtimes Claims $2, 10$ are not in conformity with the	provisions of Rule 20 of the Implementing Regulation
of the Chinese Patent Law.	togulation
Claimis not in conformity with the pi	rovisions of Rule 21 of the Implementing Regulations o
the Chinese Patent Law.	imprementing Regulations of
Claimis not in conformity with the pr	rovisions of Rule 23 of the Implementing Regulations of
Claim is not in conformity with the pro-	ovisions of Article 9 of the Chinese Patent Law.
of the Chinese Patent Law.	rovisions of Rule 12(1) of the Implementing Regulations
the chinese Fatent Law.	
The detail analysis for above conclusive opinion is descri	ibed in the text of this office action.
7. On the basis of the above conclusive opinion, the exar	minon halde ale a
The applicant should make amendments as required in the	a test of this off
The applicant should provide reasons for that the shows	e text of this office action.
The applicant should provide reasons for that the above	mentioned patent application can be granted the patent
right, and make amendments to the specification which text of this office action; otherwise the patent right shall	is not in conformity with the provisions as described in
The patent application does not possess any substantive	not be granted.
reasons or the reasons provided are not sufficient, this ap	patientable contents, if the applicant fails to provide
The reasons provided are not sufficient, this ap	pplication will be rejected.
8. The applicant's attention is drawn to the following mat	ttere
(1) In accordance with the provisions of Article 37	7 of the Chinese Detart I am it was it
submit a response within four months from	the receipt of this office action. If the applicant
fails to meet the time limit without any justific	d reason, the application shall be deemed to be
withdrawn.	d reason, the application shall be deemed to be
	in confount to the
(2) The amendment made by the applicant shall be of the Chinese Patent Law. The amended docum format required by the relevant provisions of the	nents shall be submitted in duplicate and in the
(3) The applicant's response and/or amended doc	Examination Guideline.
(3) The applicant's response and/or amended doc	cuments shall be mailed or submitted to the
Receiving Department of the Chinese Patent	Office. Documents which are not mailed or
submitted to the Receiving Department do not po	ossess legal effect.
(4) The applicant and/or his (its) agent shall not co with the examiner without an appointment.	ome to the Chinese Patent Office for interview
9. The text of this office action consists of a total of a	(4)
9. The text of this office action consists of a total of3she	et(s), and is accompanied by the following annexes:
A copy of cited reference documents consisting of	$\underline{\underline{2}}$ set(s) and $\underline{\underline{11}}$ sheet(s).
The Examination Department	TI C 1 C1 D
Dominiation Department	The Seal of the Examiner: Hongmei HOU